

Monday Morning Posters

(8am to 12:20pm)

- IN11D Open Source Technologies and Architectures Facilitating Science Data Center Collaboration and Management I
- SA11A **Solar and Space Physics Science and the Need for Innovation Into the Next Decade I**
- SH11A **Physical Processes in the Vicinity of the Heliopause I**
- SH11B **The Global Structure of the Heliosphere I**

Monday Morning Events

- ... Visual Data Analysis: Tools and Techniques for the Geophysical Sciences (8:30am to 12:30am) Salon B, Marriott Marquis

Monday Morning Talks

(8am to 10am)

- IN11F Open Source Technologies and Architectures Facilitating Science Data Center Collaboration and Management II Room 2020 (Moscone West)
- SH11C **SPA-Solar and Heliospheric Physics General Contributions: Solar Wind and Solar** Room 2009 (Moscone West)
- SM11E Bow Shock, Magnetosheath, and Magnetopause Processes I Room 2018 (Moscone West)

SM11F Space Plasma Processes and Dynamics
From Multipoint Measurements and
Simulations I
Room 2016 (Moscone West)

(10:20am to 12:20pm)

SH12A The Intriguing Solar Cycle 24: Interior
to Heliosphere I
Room 2009 (Moscone West)

SM12A Bow Shock, Magnetosheath, and
Magnetopause Processes II
(10:20am to 11:20am) Rm. 2018 (Moscone West)

SM12C Space Plasma Processes and Dynamics
From Multiooint Measurements and
Simulations II
Room 2016 (Moscone West)

SM12B Dayside Transients I
(11:20am to 12:20am) Rm. 2018 (Moscone West)

Monday Afternoon Posters (1:40pm to 6pm)

DI13C State of the Art in Computational
Geoscience I

IN13B Open Data for Open Science in
Geoinformatics

NG13A Complex Networks in Geosciences I

SH13A SPA-Solar and Heliospheric Physics
General Contributions

SH13B Sun-Grazing Comets as Solar Probes:
What Goes on Behind the Occulter Disk? I

- SH13C The Intriguing Solar Cycle 24: Interior to Heliosphere II**
- SM13A Dayside Transients II**
- SM13B Space Plasma Processes and Dynamics From Multipoint Measurements and Simulations III**

Monday Afternoon Talks (1:40pm to 3:40pm)

- SA13D Solar and Space Physics Science and the Need for Innovation Into the Next Decade II (VOD)**
Room 2022-2024 (Moscone West)
- SH13D The Global Structure of the Heliosphere II**
Room 2009 (Moscone West)

(4pm to 6pm)

- NG14A Complex Networks in Geosciences II**
(4pm to 4:45pm) Rm. 300 (Moscone South)
- SH14A Interaction of Coronal Mass Ejections With Coronal and Heliospheric Structures I (VOD)**
Room 2022-2024 (Moscone West)
- SH14B Physical Processes in the Vicinity of the Heliopause II**
Room 2009 (Moscone West)
- SM14B System Aspects of the Solar-Wind-Driven Magnetosphere II**
Room 2016 (Moscone West)

Tuesday Morning Posters

(8am to 12:20pm)

- IN21A A Governance Roadmap for
Cyberinfrastructure in the Geosciences
- SH21A **Multipoint Observations and Modeling
of Solar Energetic Particle Events I**
- SH21B **Wave-Particle Interactions and
Collisionless Shocks I**
- SM21A Bow Shock, Magnetosheath, and
Magnetopause Processes III
- SM21B Reconnection in Complex Space-Plasma
Environments I

Tuesday Morning Talks

(8am to 10am)

- NG21A Jets and Zonal Flows in Planetary and
Astrophysical Fluid Dynamics I
Room 300 (Moscone South)
- SH21C **Interaction of Coronal Mass Ejections
With Coronal and Heliospheric
Structures II**
(8am to 9am) Room 2009 (Moscone West)
- SH21D **Sun-Grazing Comets as Solar Probes: What
Goes on Behind the Occulter Disk? II**
(9am to 10am) Rm. 2009 (Moscone West)
- SM21D **Space Weather Effects on Spacecraft,
Aircraft, and Ground Systems I**
Room 2018 (Moscone West)

(10:20am to 12:20pm)

- DI22A State of the Art in Computational
Geoscience II
Room 305 (Moscone South)
- GC22E Mechanisms of Global Environmental
Change
Room 3018 (Moscone West)
- IN22A Data Stewardship, Citation With Confidence,
and Preparing Next Gen. of Data Mgrs. I
Room 2020 (Moscone West)
- SH22A **Our Heliosphere, IBEX, and the Cosmos I**
Room 2009 (Moscone West)
- SM22D Strategies and Innovative Approaches for
the Future of Space Weather Forecasting:
Science and Infrastructure I
Room 2018 (Moscone West)

Tuesday Lunchtime

- ... Scientific Data Management 101
(12:20pm to 1:40pm)
Salon 5, Marriott Marquis

Tuesday Afternoon Posters

(1:40pm to 6pm)

- GC23B / C Global Environmental Change: General Contributions I & II
- IN23C Data Stewardship, Citation With Confidence, and Preparing Next Generation of Data Managers II
- NG23A Jets and Zonal Flows in Planetary and Astrophysical Fluid Dynamics II
- SH23A **Our Heliosphere, IBEX, and the Cosmos II**
- SM23B Space Weather Effects on Spacecraft, Aircraft, and Ground Systems II
- SM23C Strategies and Innovative Approaches for the Future of Space Weather Forecasting: Science and Infrastructure II

Tuesday Afternoon Talks

(1:40pm to 3:40pm)

- SH23B **Multipoint Observations and Modeling of Solar Energetic Particle Events II**
Room 2009 (Moscone West)
- SM23F **Reconnection in Complex Space-Plasma Environments II**
Room 2018 (Moscone West)

(4pm to 6pm)

- SH24A Multipoint Observations and Modeling
of Solar Energetic Particle Events III**
Room 2009 (Moscone West)
- SM24B Reconnection in Complex Space-Plasma
Environments III**
Room 2018 (Moscone West)

Tuesday Evening

- TH25 Space Physics and Aeronomy Section
Agency Night**
(6:15pm to 7:15pm) Rm. 2016 (Moscone West)
- ... Space Physics and Aeronomy Business
Meeting and Banquet**
(7:30pm to 10pm; ticket required)
Four Seasons Restaurant (731 Grant Ave.)

Wednesday Morning Posters

(8am to 12:20pm)

- ED31A** **Bright STaRS: Bright Students Training as Research Scientists**
- IN31C** **Technology Enabling Earth Science From Big Data to Small Satellites I**
- SH31A** **Interaction of Coronal Mass Ejections With Coronal and Heliospheric Structures III**

Wednesday Morning Talks

(8am to 10am)

- SH31B** **Recent Advances in Solar Coronal Heating I**
Room 2009 (Moscone West)
- SH31C** **Revolutionizing Our Understanding of Solar, Magnetospheric, and Cosmic Ray Physics: Two Decades of Research From the SAMPEX Mission I**
(8am to 9am) Room 2018 (Moscone West)
- SM31D** **Advancing Heliophysics Data Analysis: How Data Policy Impacts Science I**
(9am to 10am) Room 2018 (Moscone West)

(10:20am to 12:20pm)

- SH32A Status and Challenges in Coronal Heating: Theory, Observations and Simulation of Physical Processes I**
Room 2009 (Moscone West)
- SH32B Wave-Particle Interactions and Collisionless Shocks II**
Room 2007 (Moscone West)

Wednesday Afternoon Posters (1:40pm to 6pm)

- SH33A Multiwavelength/Multiviewpoint Observations of the Corona in the X-Ray, EUV, and UV I**
- SH33B Recent Advances in Solar Coronal Heating II**
- SH33C Revolutionizing Our Understanding of Solar, Magnetospheric, and Cosmic Ray Physics: Two Decades of Research From the SAMPEX Mission II**
- SH33D Status and Challenges in Coronal Heating: Theory, Observations and Simulation of Physical Processes II**

Wednesday Afternoon Talks

(1:40pm to 3:40pm)

- IN33D Technology Enabling Earth Science From Big Data to Small Satellites II
Room 2020 (Moscone West)
- NG33A Dynamic Regimes of Space Plasmas: Deterministic or Stochastic? I (VOD)
(1:40pm to 2:10pm) Rm. 104 (Moscone South)
- SH33F **Wave-Particle Interactions and Collisionless Shocks III**
(1:40pm to 2:40pm) Rm. 2009 (Moscone West)
- SH33E **Using Multispacecraft Observations for Simulating CME Propagation and Initiation I**
(2:40pm to 3:40pm) Rm. 2009 (Moscone West)

(4pm to 6pm)

- SM34A *Van Allen Lecture: Magnetospheric Exploration: Basic Research with a High Public Purpose* (VOD)
(4pm to 5pm) Rm. 2022-2024 (Moscone West)
- SH34A ***Parker Lecture: The Inner Heliosphere at 50* (VOD)**
(5pm to 6pm) Rm. 2022-2024 (Moscone West)

Thursday Morning Posters

(8am to 12:20pm)

- ED41D** Evidence of Impact: Evaluating Education and Public Outreach Programs
- NG41A** Dynamic Regimes of Space Plasmas: Deterministic or Stochastic? II
- SH41A** Are Coronal Dimmings a Good Proxy for Coronal Mass Ejections? I
- SH41B** Propagation of Recent CME/ICME/ Shock Events and Their Impacts on the Earth Environment I
- SH41C** Using Multispacecraft Observations for Simulating CME Propagation and Initiation II
- SH41D** What Can We Learn From the Ascending Phase of Solar Cycle 24 in the North and South Hemispheres? I

Thursday Morning Talks

(8am to 10am)

- IN41C** Envisioning Improvements for Earth Science Data Access I
Room 2020 (Moscone West)
- SA41B** The Equatorial Ionosphere: Drivers and Coupling Processes I
Room 2011 (Moscone West)

- SH41E Radio Observations of the Sun and Heliosphere and their Applications in Space Weather I**
Room 2009 (Moscone West)
- SM41D Geoeffectiveness of Space Storms I (VOD)**
Room 2022-2024 (Moscone West)
- SM41E Magnetospheric Processes and Dynamics at the Giant Planets I**
Room 2016 (Moscone West)

(10:20am to 12:20pm)

- IN42A Envisioning Improvements for Earth Science Data Access II**
Room 2020 (Moscone West)
- P42B Small Bodies and Moons and Their Interaction With the Space Environment I**
Room 2007 (Moscone West)
- SA42A The Equatorial Ionosphere: Drivers and Coupling Processes II**
Room 2011 (Moscone West)
- SH42A Multiwavelength/Multiviewpoint Observations of the Corona in the X-Ray, EUV, and UV II**
Room 2009 (Moscone West)
- SM42A Magnetospheric Processes and Dynamics at the Giant Planets II**
(10:20am to 11:20am) Rm. 2016 (Moscone West)

Thursday Lunchtime

**TH42F NASA Heliophysics Town Hall:
Heliophysics Roadmap / Decadal Survey**
(12:30pm to 1:30pm) Rm. 2007 (Moscone West)

Thursday Afternoon Posters (1:40pm to 6pm)

- ED43A Teacher Professional Development
Programs Promoting Authentic Scientific
Research in the Classroom II**
- IN43B Envisioning Improvements for Earth
Science Data Access III**
- P43D Small Bodies and Moons and Their
Interaction With the Space Environment II**
- SH43A Radio Observations of the Sun and
Heliosphere and their Applications in
Space Weather II**
- SH43B Solar Flares in the Rising Phase of Solar
Cycle 24 I**
- SM43A Advancing Heliophysics Data Analysis:
How Data Policy Impacts Science II**
- SM43C Geoeffectiveness of Space Storms II**

Thursday Afternoon Talks

(1:40pm to 3:40pm)

- IN43E Geostationary Satellite Data Generation II
Room 104 (Moscone South)
- SA43C Solar System Aeronomy: Ionospheres,
Thermospheres, Auroras, and Airglow I
Room 2011 (Moscone West)
- SH43C Propagation of Recent CME/ICME/
Shock Events and Their Impacts on the
Earth Environment II**
Room 2009 (Moscone West)
- NG43D The Fluid Dynamics of Planets and Stars I
(2:25pm to 3:40pm) Rm. 300 (Moscone South)

(4pm to 6pm)

- SA44A Solar System Aeronomy: Ionospheres,
Thermospheres, Auroras, and Airglow II
Room 2011 (Moscone West)
- SH44B Propagation of Recent CME/ICME/
Shock Events and Their Impacts on the
Earth Environment III**
(4pm to 5pm) Room 2009 (Moscone West)
- SH44A Are Coronal Dimmings a Good Proxy
for Coronal Mass Ejections? II**
(5pm to 6pm) Room 2009 (Moscone West)

Friday Morning Posters

(8am to 12:20pm)

- ED51A Games, Interactive Simulations, and Virtual Labs for Science Teaching and Learning I
- IN51A Advancing Partnerships, Collaborative Platforms, and Knowledge Networks in the Earth Sciences I
- NG51C The Fluid Dynamics of Planets and Stars II
- SA51A Solar System Aeronomy: Ionospheres, Thermospheres, Auroras, and Airglow III
- SA51B The Equatorial Ionosphere: Drivers and Coupling Processes III
- SH51A **Solar Eruptive Events Across the Scales: Observations and Modeling I**
- SH51B **Theory and Observations of Turbulence in the Heliosphere: A Multiplicity of Models, Scales, and Physical Processes I**
- SM51A Magnetospheric Processes and Dynamics at the Giant Planets III

Friday Morning Talks

(8am to 10am)

- IN51F Tools and Frameworks for Visualization and Big Data Analysis I
Room 2018 (Moscone West)
- SH51C **Solar Flares in the Rising Phase of Solar Cycle 24 II**
Room 2009 (Moscone West)

(10:20am to 12:20pm)

- SH52A** Exploring the Slow Solar Wind From the Photosphere to the Heliosphere I
Room 2011 (Moscone West)
- SH52B** Solar Flares in the Rising Phase of Solar Cycle 24 III
(10:20am to 11:20am) Rm. 2009 (Moscone West)
- SH52C** What Can We Learn From the Ascending Phase of Solar Cycle 24 in the North and South Hemispheres? II
(11:20am to 12:20pm) Rm. 2009 (Moscone West)

Friday Lunchtime

- TH52H** International Earth Science Organizations and You
(12:30pm to 1:30pm) Rm. 2009 (Moscone West)

Friday Afternoon Posters

(1:40pm to 6pm)

- IN53C** Tools and Frameworks for Visualization and Big Data Analysis II
- SH53A** Exploring the Slow Solar Wind From the Photosphere to the Heliosphere II

Friday Afternoon Talks

(1:40pm to 3:40pm)

- ED53G** Games, Interactive Simulations, and Virtual Labs for Science Teaching and Learning II
Room 302 (Moscone South)
- SH53B** Solar Eruptive Events Across the Scales: Observations and Modeling II
Room 2009 (Moscone West)
- SH53C** Theory and Observations of Turbulence in the Heliosphere: A Multiplicity of Models, Scales, and Physical Processes II
Room 2011 (Moscone West)

(4pm to 6pm)

- IN54A** Advancing Partnerships, Collaborative Platforms, and Knowledge Networks in the Earth Sciences II
Room 2020 (Moscone West)
- SH54A** Solar Eruptive Events Across the Scales: Observations and Modeling III
Room 2009 (Moscone West)
- SH54B** Theory and Observations of Turbulence in the Heliosphere: A Multiplicity of Models, Scales, and Physical Processes III
Room 2011 (Moscone West)